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CLASSES AND PROPERTIES OF HUMAN ANTIBODIES, (U)
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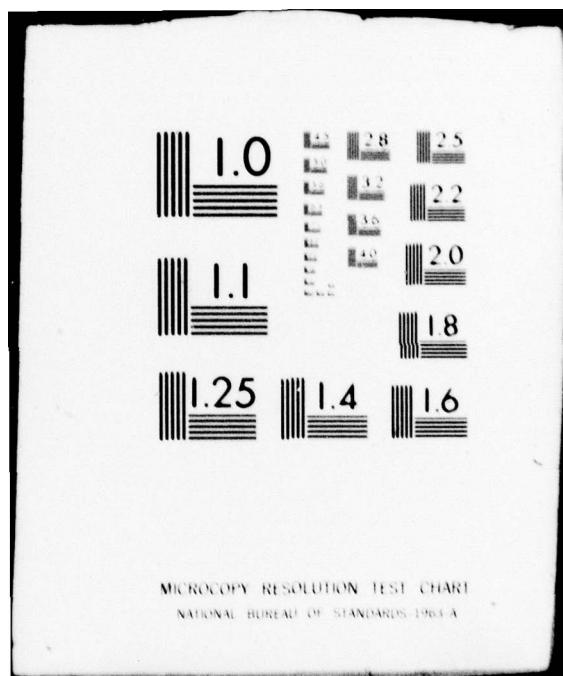
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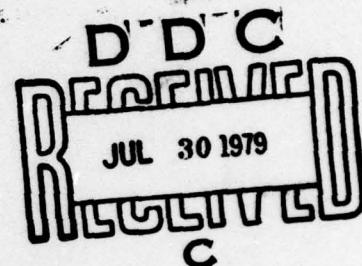
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Annual Report

February 1978

by

Bernard B. Levine, M. D.



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Progress Report

February, 1978

CLASSES AND PROPERTIES OF HUMAN ANTIBODIES

Bernard B. Levine, M.D.

Dr. Levine was officially on leave of absence from the University. Four hours per week were given to direct the Allergy Clinic at Bellevue Hospital. Some laboratory experiments were done during this period.

Progress: Some preliminary experiments on establishing a mouse model for human "atopy" were done. The hypothesis to be tested is that "atopy" is based upon an "increased" permeability of relatively low molecular weight proteins (and perhaps other macromolecules) through respiratory (and perhaps other) mucous membranes. Ovomucoid and BPO-ovomucoid were selected as antigens. Some initial experiments to immunize mice via nebulized antigen were done. No clear cut serum antibodies were found in mice so treated. However, there was anaphylactic response to injected antigen in some mice. This is a preliminary result which needs confirmation before it can be accepted as real.

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